

FIG.1

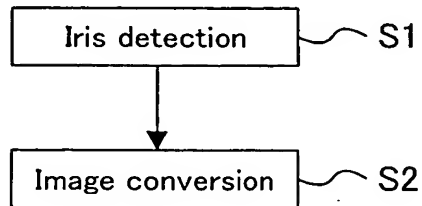


FIG.2

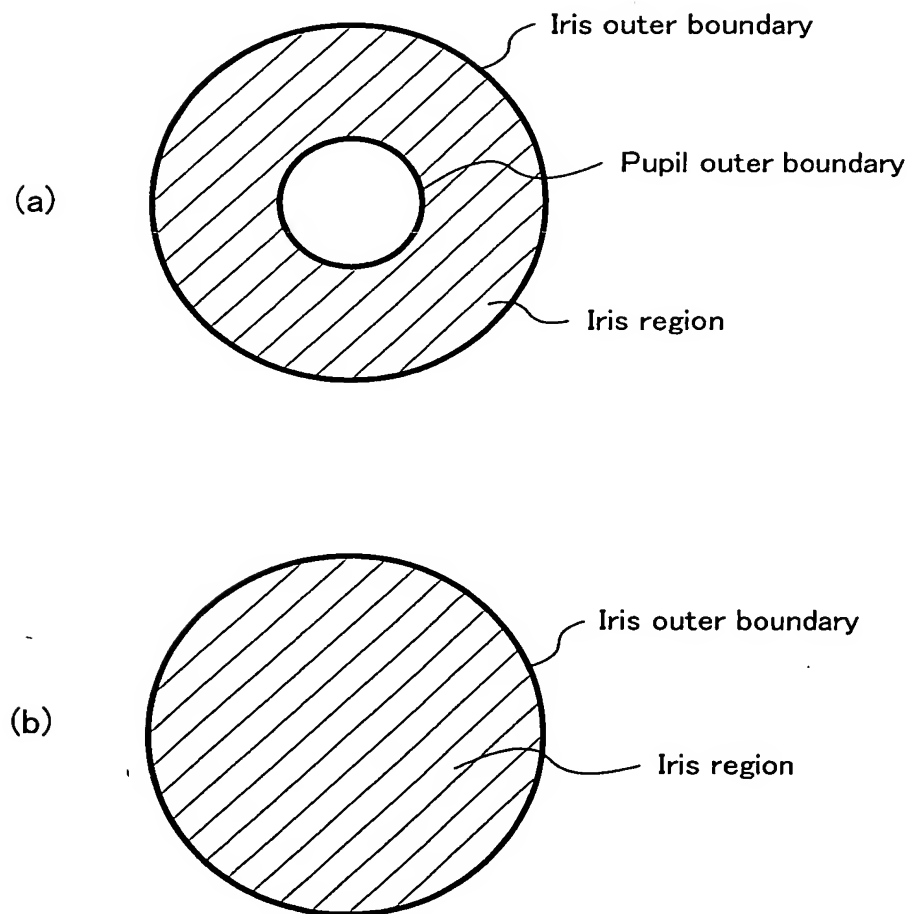


FIG.3

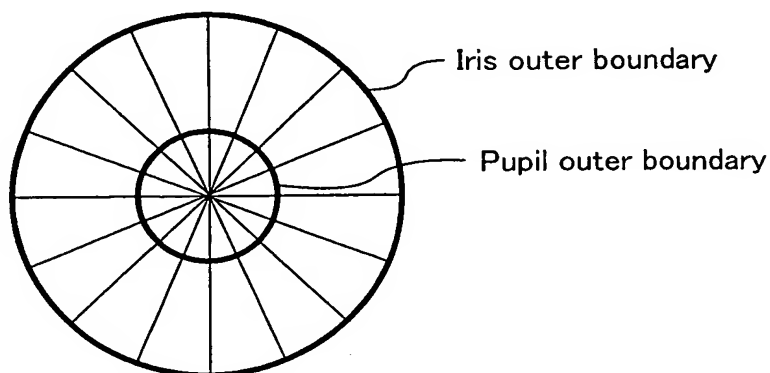
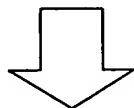
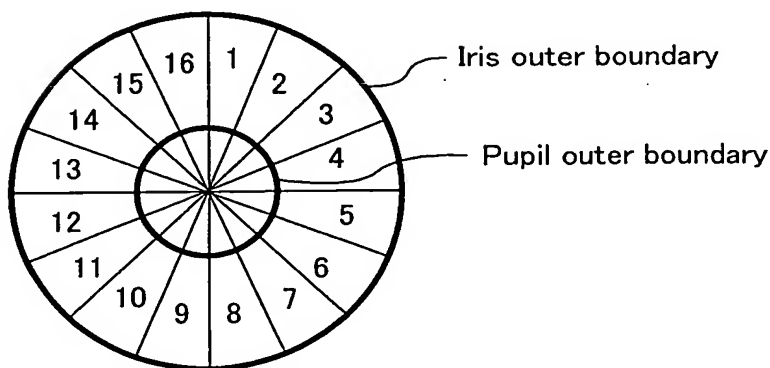


FIG.4

(a) Original iris image



(b) After re-arrangement

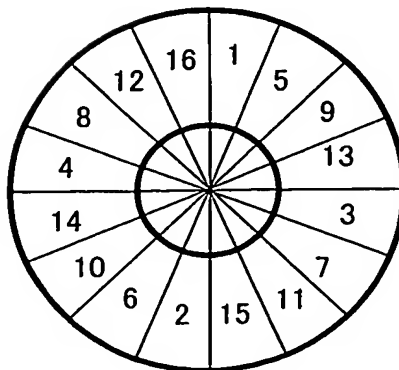


FIG.5

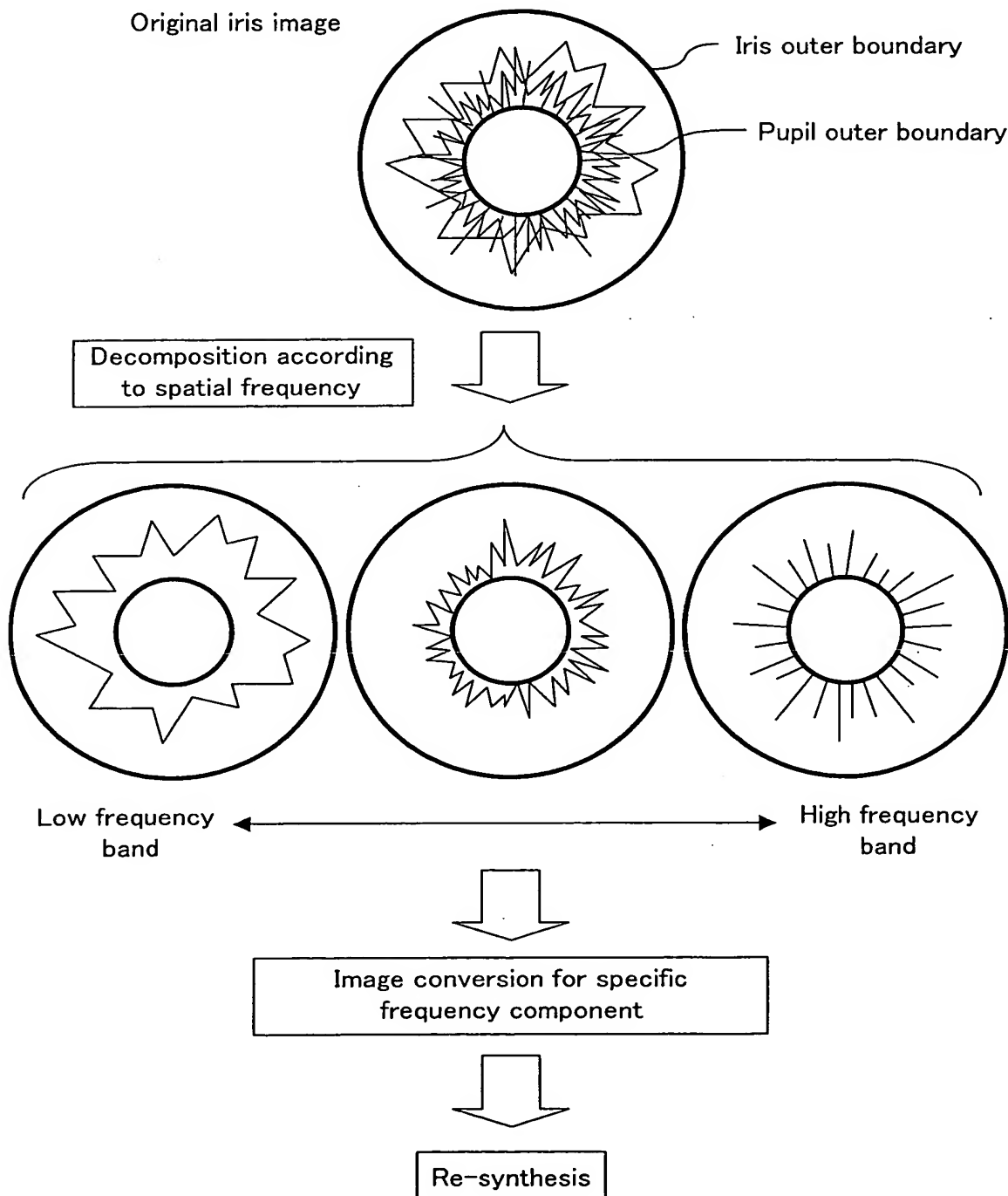
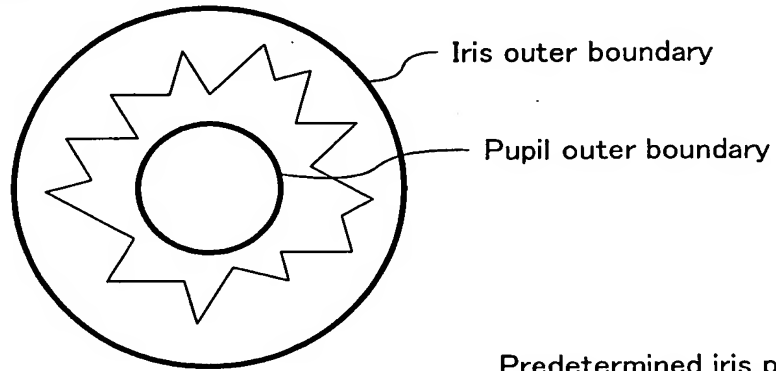
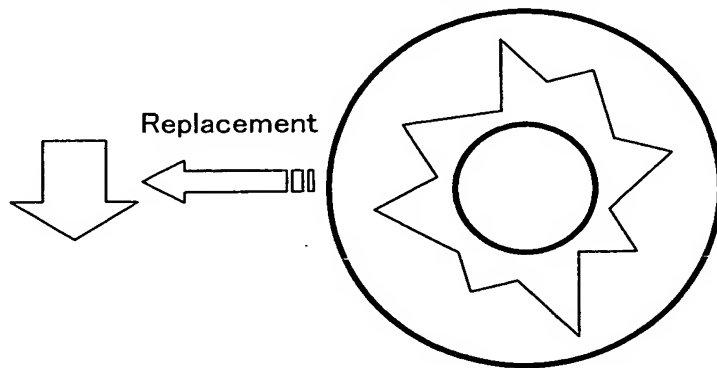


FIG.6

Original iris image



Predetermined iris pattern



After replacement

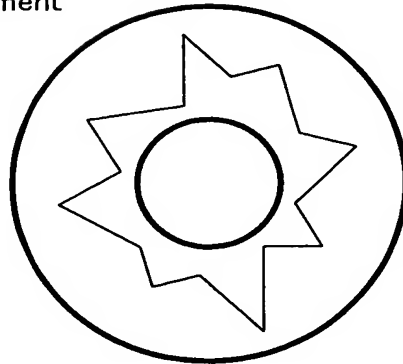


FIG.7

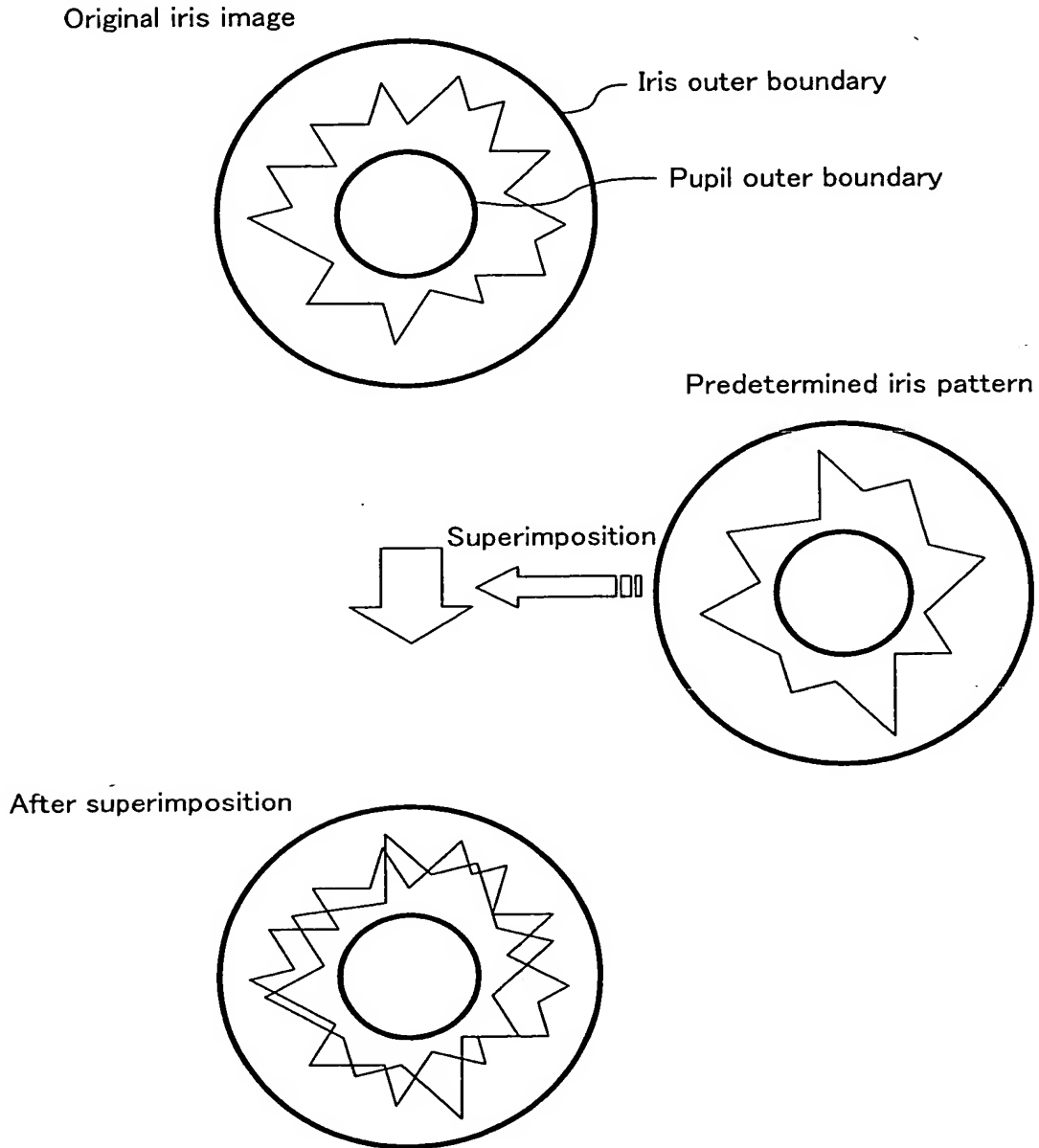


FIG.8

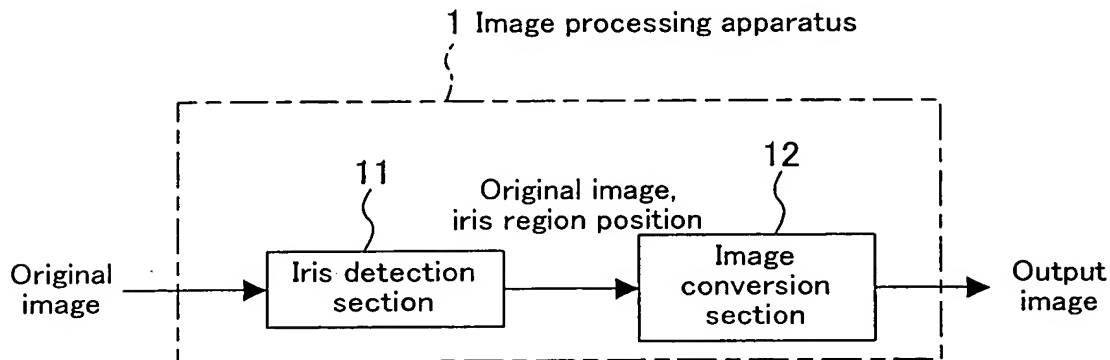


FIG.9

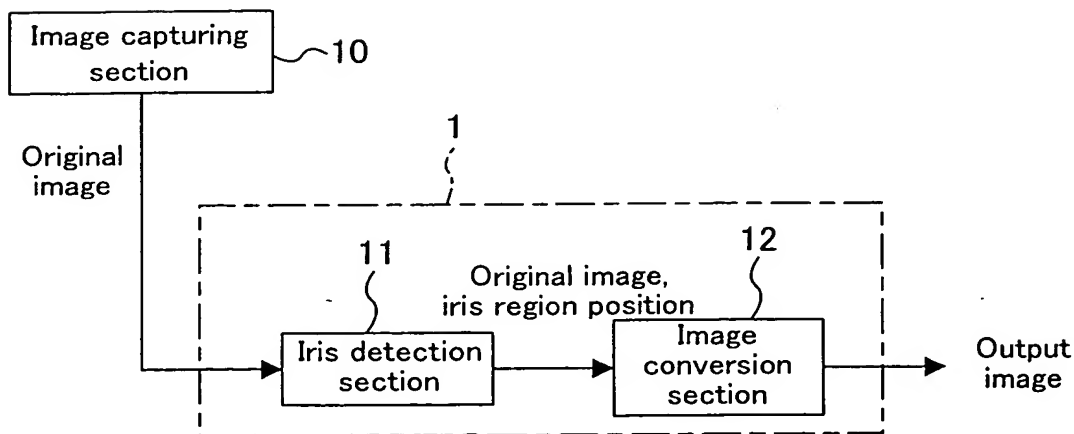


FIG.10

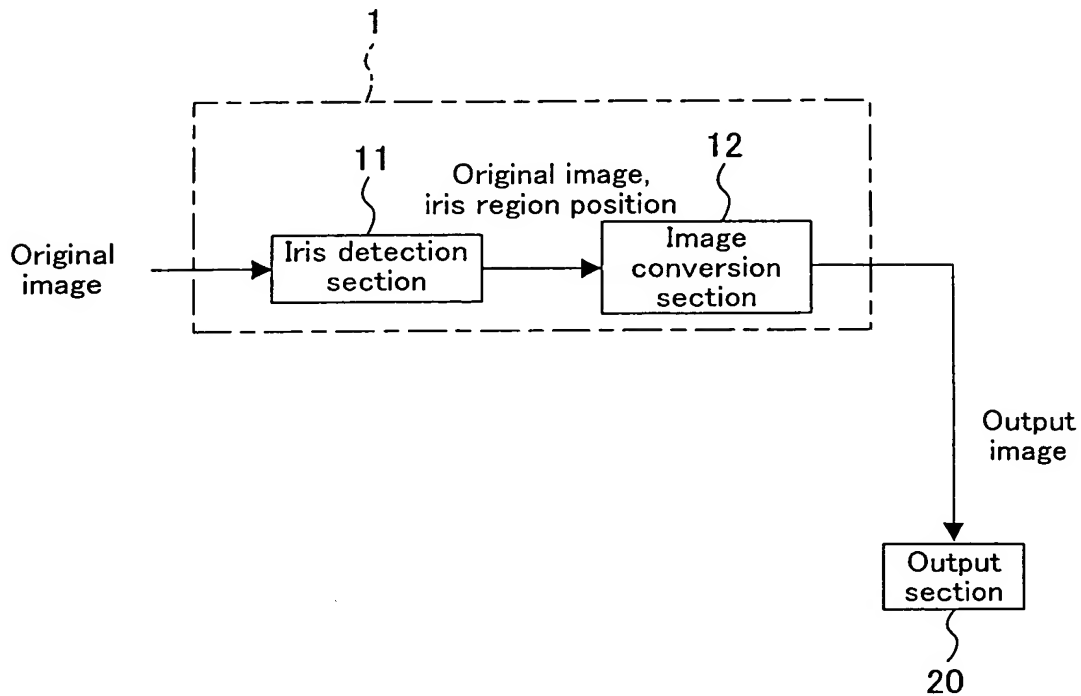


FIG.11

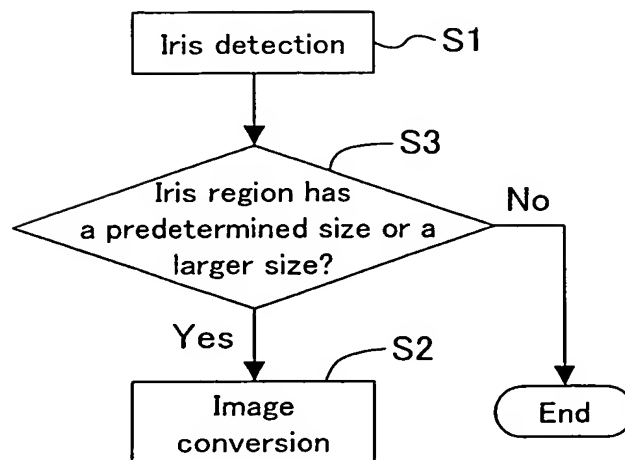
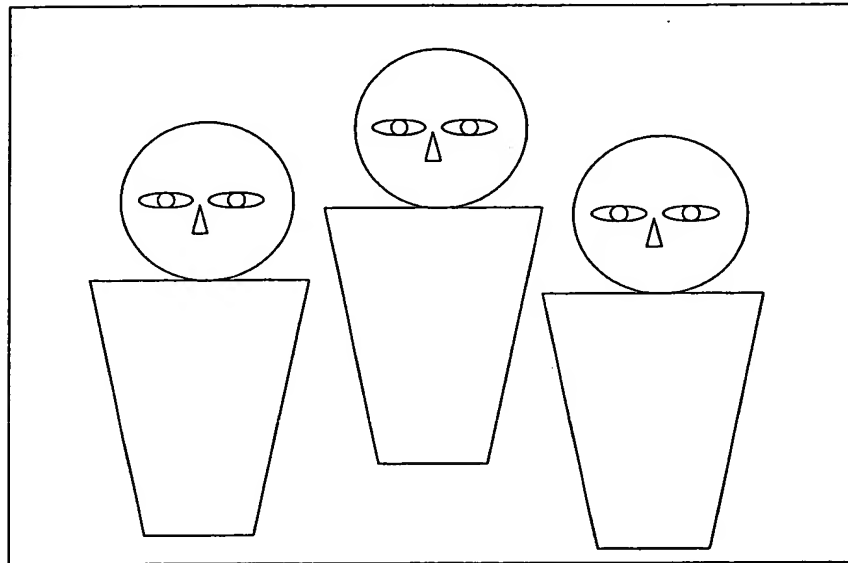


FIG.12

(a) No image conversion performed



(b) Image conversion performed

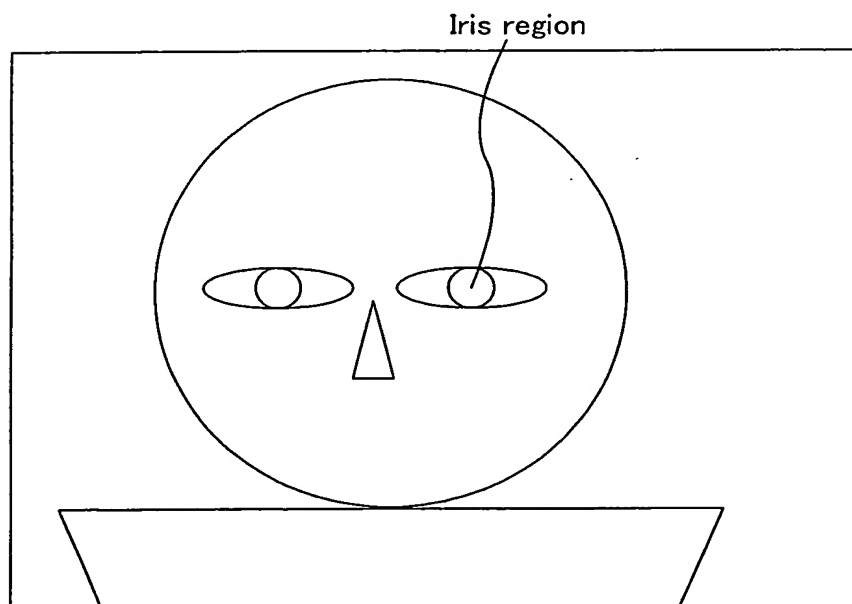


FIG.13

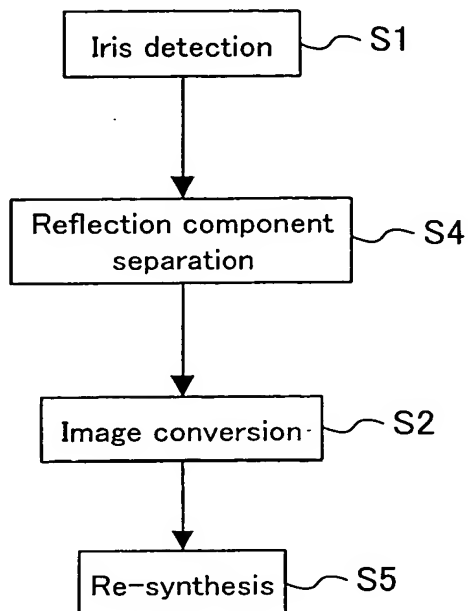


FIG.14

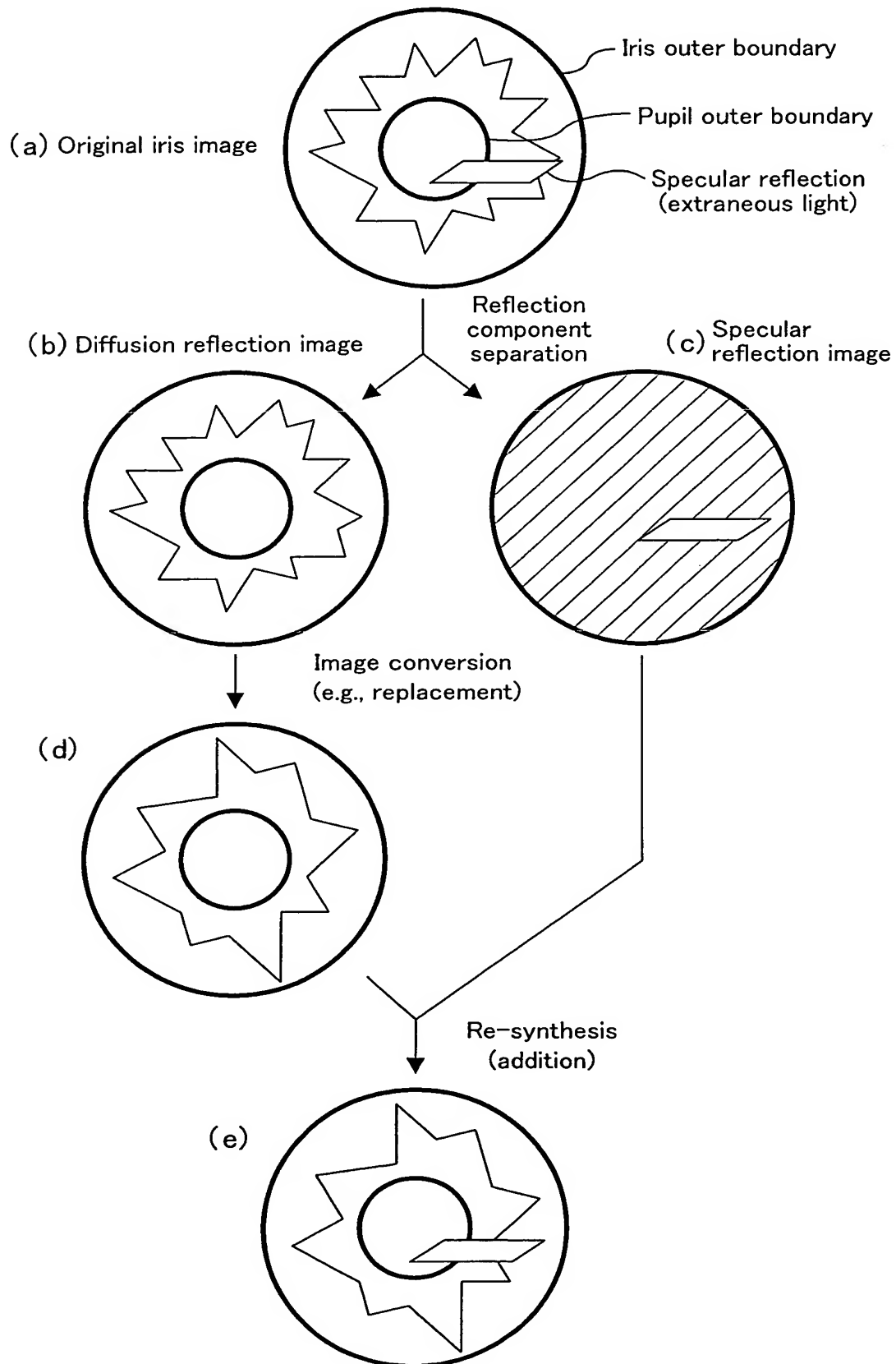


FIG.15

